# faytech's Android 6 and 10 OS comparison (ARM V40)

faytech's **Embedded Touch PC series (ARM V40)** with Android OS are different from regular Android devices, as they are specifically designed and manufactured to meet **industrial standards**, more info on this can be found in the document '**faytech's industrial & Secure Android Device Features**'.

These Embedded products support both **Android 6 and Android 10 operating systems**, with **Android 6** being standard pre-installed and **Android 10** available (for projects only). However, before deciding which OS works best for your solution or application, it is important to understand what each OS is capable of. Therefore, we have created a short overview below of the different OS Sytems and the features that come with it.

## Android 6 (standard)

- Reliable **Android 6 OS** for any (industrial) application (features available up to **Android 6 OS**, released in 2015).

- **Standard pre-installed on all Embedded V40 devices**, if no customization is mentioned.

- Works with both **1GB and 2GB RAM memory** devices, as the OS does not require a significant amount of resources.

- There is still **OS support** from our side, but no new security patches from Android.

- **Customizations possible, but more limited** as the Android 6 OS for the V40 devices is developed by a third-party company.

- There is **no Google Play Store installed** on this 'hardened' embedded device.

## Android 10 (for projects)

- Newer **Android 10 OS** with additional features (features available up to **Android 10 OS**, released in 2019).

- This OS is available **for projects using the Embedded V40 devices**.

- Requires **2GB RAM memory** for full compatibility (more resources required, including RAM). Also, device speed might be slower if multiple / heavy apps are in use.

- There is **Full OS support** with latest security patches and updates.

- Hardware **video acceleration decoding is not supported**, but GPU is still supported. In turn a 2nd screen over **HDMI is also not supported**.

- There is **no Google Play Store installed** on this 'hardened' embedded device (also not supported).

- **Full FOSS compliance and a great deal of customizations possible**, because the Android 10 OS source code is developed in-house by faytech for the V40 devices.

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Do not hesitate to contact us directly for any inquiries or more information regarding the OS compatibility of our embedded V40 devices using the contact details below.

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